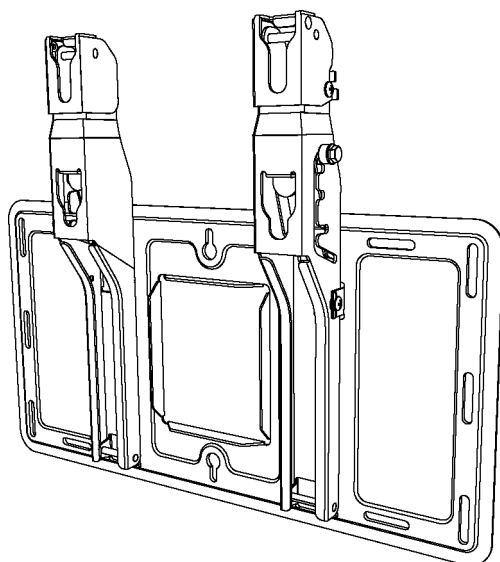


Service Manual

LCD Display wall-hanging bracket (Adjustable angle type)

TY-WK32GRW



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 Safety Precautions

WARNING

Ensure that the installation location is strong enough to support long-term use.

- If its strength becomes insufficient over the course of long-term use, the LCD Display may drop, possibly causing injury.

Installation to be performed by certified personnel only.

- Inadequate installation may cause the LCD Display to fall, resulting in bodily injury.

Be aware of safety factors concerning the mounting strength.

- Insufficient strength may cause the LCD Display to fall, resulting in bodily injury.

Do not install where tolerance is weak.

- If the tolerance of the mounting location is weak, the LCD Display may fall resulting in bodily injury.

Do not disassemble or modify the wall-hanging bracket.

- Otherwise the unit may be dropped and become damaged, and personal injury may result.

CAUTION

This wall hanging bracket for use only with specific Panasonic LCD Display. See apparatus instructions.

- Use with other models is capable of resulting in instability causing possible injury.

Do not install in humid or dusty areas, or where the LCD Display may be exposed to lampblack, steam or heat.

- This may affect the LCD Display, and may cause fire or electric shock.

Do not install with the LCD Display facing downward, on its side, or upside down.

- Heat may build up within the LCD Display, causing fire as a result.

At least two persons should perform installation and removal of the LCD Display unit.

- Dropping the LCD Display may result in injury.

Ensure there is a space of at least 100 mm (3.9 inches) at the top and bottom of the LCD Display, and at least 300 mm (11.8 inches) clearance at the sides and 40 mm (1.6 inches) at the back.

- Air intake and outlet holes are located on the rear of the LCD Display. Blocking these holes may result in fire.

Always remove the wall-hanging bracket when removing the LCD Display.

- Injury may result when accidentally hitting the projected parts. Take caution when removing for repairs, etc.

Install the LCD Display by taking only the steps which are specified in these instructions: Do not install it in any other way.

- Otherwise the unit may be dropped and become damaged, and personal injury may result.

Install the mounting screws and power cable in such a way that they will not make contact with the inside parts of the wall.

- Electric shocks may result from contact with any metal objects inside the wall.

For installation, use the special-purpose constituent parts.

- Otherwise, the LCD Display may fall off the wall, possibly causing injury.

2 Specifications

Model Name	TY-WK32GRW	Applicable models
Type	LCD Display wall-hanging bracket (Adjustable angle type)	TH-32LR11UK
Dimensions	18.9" (48 cm) (W) x 2.4" (6.3 cm) (D) x 9.8" (25 cm) (H)	TH-32LR11UH
Weight	5.8 lb (2.6 kg)	TH-32LR11MK
Dimensions with Packaging	22.6" (57.2 cm) (W) x 17.8" (45 cm) (D) x 4.4" (11 cm) (H)	TH-32LR11MKA
Weight with Packaging	8.4 lb (3.8 kg)	TH-32LR11MSA
Material	Steel (SGHC-MO-F06)	

3 Disassembly and Assembly Instructions

3.1. Points to note during installation

- The wall-hanging bracket is for use in attaching a LCD Display unit to a vertical wall for viewing. Do not fit to any surface other than a vertical wall.
- There are lock mechanisms on either side of the unit, so secure space between the LCD Display and any wall surfaces to the left or right of at least 300 mm (11.8 inches).
- To ensure correct LCD Display performance and prevent trouble, do not fit at any of the following locations.
 - Near sprinklers or fire/smoke detectors.
 - Where there is a risk of exposure to vibration or impact.
 - Near high-voltage wires or dynamic power supplies.
 - Near sources of magnetism, heat, water vapor or soot.
 - Locations exposed to air blown from heating equipment.
 - Where droplets of condensation from an air conditioner or other unit may form.
- Fit using techniques suited to the structure and materials of the fitting location.
- Use commercially available screws with a nominal diameter of 6 mm (0.2 inches) that are suited to the wall material (wood, steel frame, concrete etc.) you are fitting the bracket to.
- For the display power supply plug, use a power supply outlet that can be reached easily.
- Ensure good air flow so that the equipment ambient temperature does not exceed 40 °C. Failure to do this may cause heat to build up inside the LCD Display, resulting in malfunction.
- Do not mount this LCD Display directly below ceiling lights (such as spot lights, flood lights or halogen lights) which typically give off high heat. Doing so may warp or damage plastic cabinet parts.
- Reinforce the area of the wall where the LCD Display is to be mounted if it is not strong enough.
If the LCD Display is not mounted securely and the mounting screws should come loose, the LCD Display may fall off the wall.

3.2. Disassembly and Assembly Instructions

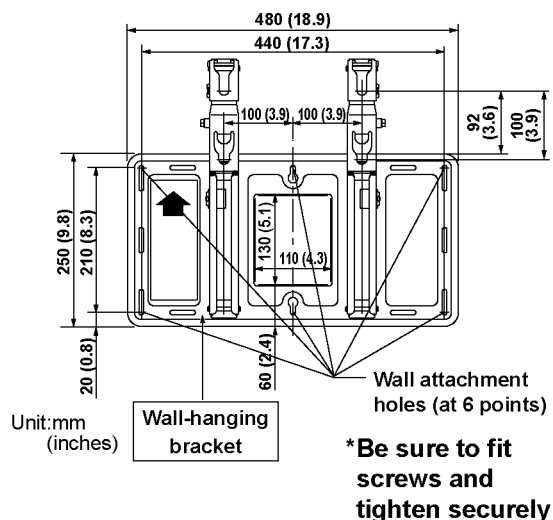
Please assemble and install the wall-hanging bracket according to the following procedures.

1. Confirm the strength of the proposed fitting location

The weight of the wall-hanging bracket is approximately 3 kg (6.61 lb.). For the weight of the LCD Display attached to the wall-hanging bracket, please see the Manual for the LCD Display. Check the wall strength at the 6 attachment locations by referring to the dimension drawing of the wall-hanging bracket (given at right), and provide adequate reinforcement if strength is not sufficient.

Note

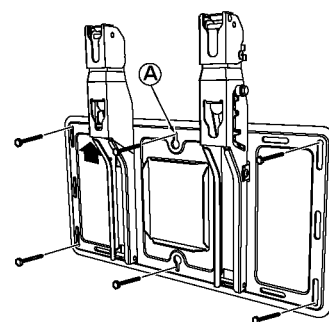
- There are 12 holes in the wall-hanging bracket. If the wall material is wood, and adequate attachment strength cannot be ensured by fastening at the 6 points at right, use as many spare holes as necessary. However, exercise care because some wall materials may crack if screws are located too close together.
- For detailed dimensions for attaching the LCD Display refer to the separate External Dimension Drawing.



2. Fit wall-hanging bracket to wall

- Fit so that the arrow marks on the wall-hanging bracket point upward.
- If the wall consists of a material such as concrete, and bolts or nuts must be embedded beforehand, determine the hole positions using the actual wall-hanging bracket, or calculate hole positions based on the dimension drawing and then embed bolts or nuts with a nominal diameter of 6 mm. When embedding bolts, locate so that the bolts protrude from the wall by 10 to 15 mm (0.4 to 0.6 inches).

- Fasten the screw at the top center hole (A) first.
- Using a level, correct any bracket inclination, and then fasten screws at the remaining 5 locations.



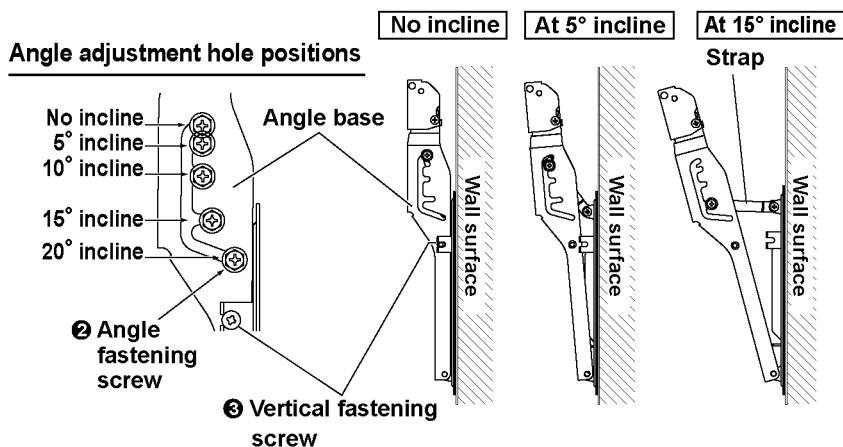
Note

- Use commercially available screws with a nominal diameter of 6 mm that are suited to the wall material you are fitting the bracket to.

3. Angle adjustment of wall-hanging bracket

The angle of the wall-hanging bracket can be adjusted from "no incline" to "20° incline" in 5 settings at intervals of 5°

To change the angle, loosen the angle fastening screw ② and vertical fastening screw ③ of the angle base, and move to the desired angle. After positioning, securely tighten the angle fastening screw ②. If set with "no inclination", also securely tighten the vertical fastening screw ③. The screw should be securely tightened to the torque given below. (12 N•m)



Note

- When using some types of HDMI cables (RP-CDHG80 or RP-CDHG100) or PC cables, the cable may touch the wall and cause damage to the HDMI terminal or the PC input terminal on the display set. In such a case, adjust the angle of the wall-hanging bracket so that no weight is applied to the cable.

4. Prepare the LCD display

- * Remove the Display-stand from the LCD Display. Carefully store the removed Display-stand and the 4 fastening screws.

Fit the insulation spacers to the LCD Display.

■ Inserting the stand mount cover

Refer to page 17 for applicable models.

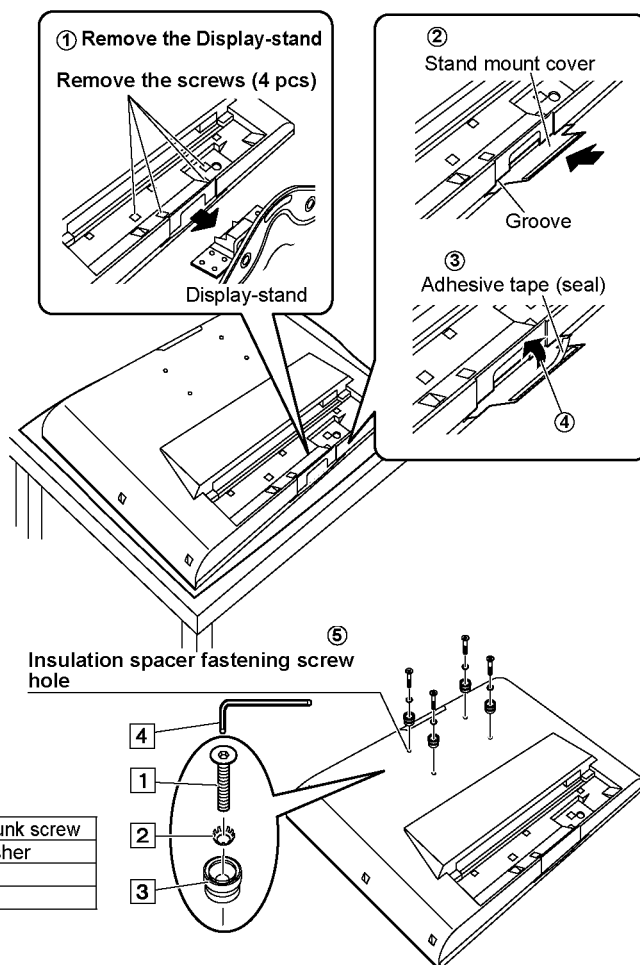
Place the LCD Display face down in a horizontal position on a blanket or other soft cloth that is clean and free of debris on a table, and follow the procedure below.

- ① Remove the Display-stand.
- ② Insert the stand mount cover into the groove of the unit so that the adhesive tape is at the top and on the inside. (See illustration.)
- ③ Remove the adhesive tape seal.
- ④ Affix the adhesive portion securely to the display unit.
- ⑤ Fix the included Allen head countersunk screws, the dished toothed washers and insulation spacers (4 sets) into the insulation spacer fastening screw holes using the included Allen wrench as shown at right.

The screw should be securely tightened to the torque given below.

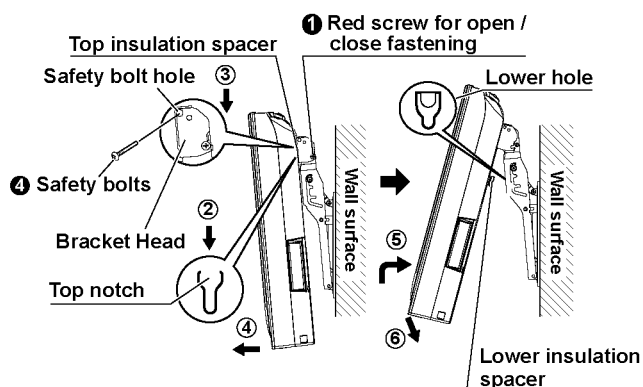
(1.8 N•m)

①	Allen head countersunk screw
②	Dished toothed washer
③	Insulation spacer
④	Allen wrench



5. Attaching the LCD Display to the wall-hanging bracket and connecting the wiring

- ① Loosen the left and right red screws for open/close fastening ① (1 each on the left and right).
- ② Hook the insulation spacers on the top of the LCD Display over the notches on the bracket, and allow the display to hang from the bracket.
- ③ Fit the included safety bolts ④ (1 each on the left and right) into the indicated holes in the left and right bracket heads. The screw should be securely tightened to the torque given below. (1.8 N•m)
- ④ Pull the LCD Display body forward, as shown in the diagram at right, and connect the wiring.
- ⑤ After wiring is finished, slightly raise the LCD Display and insert the insulation spacers at the lower back into the holes at the base of the wall-hanging bracket.
- ⑥ Lower the LCD Display into place.
- ⑦ If the angle must be adjusted, adjust according to Step 3 of the fitting procedure.



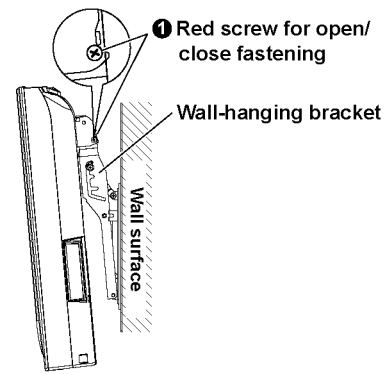
Note

- Be sure to fit the Safety bolts on the left and right to keep the LCD Display from falling off the wall-hanging bracket.
- Do not lift the LCD Display by the stand mount cover.

6. Fastening the LCD Display

Securely tighten the red screws for open/close fastening ❶ (1 each on the left and right) in the indicated holes on the sides of the wall-hanging bracket.

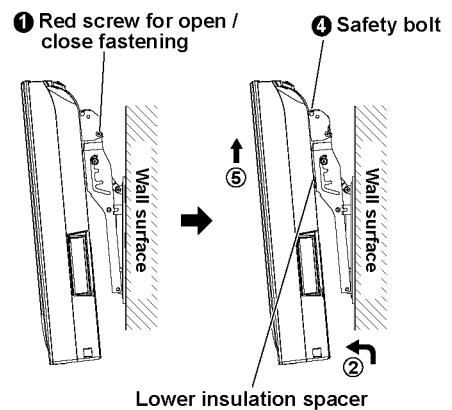
The screw should be securely tightened to the torque given below.
(1.8 N•m)



7. Removing the LCD Display

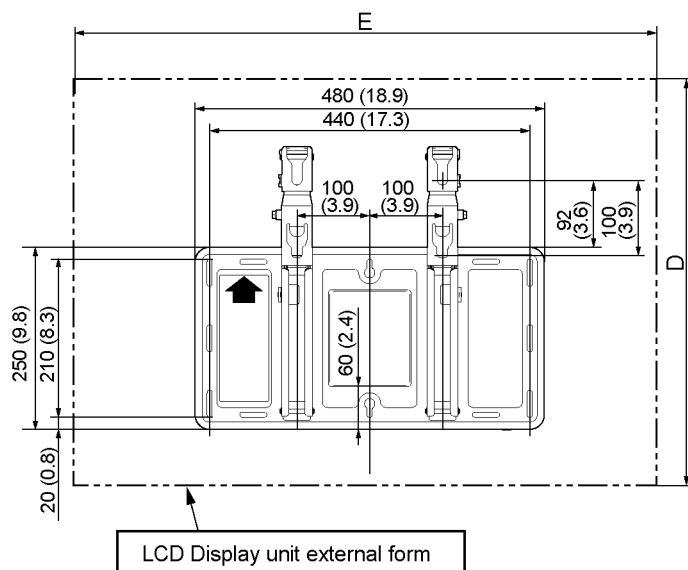
- ❶ Loosen the left and right red screws for open/close fastening ❶ (1 each on the left and right).
- ❷ Slightly lift up the bottom of the LCD Display, pull it forward, and remove the lower insulation spacers from the bottom of the wall-hanging bracket.
- ❸ Pull the LCD Display forward, as in Step 5 ❸ of the fitting procedure, and remove any wiring or cables.
- ❹ Remove the Safety bolts ❹ (1 each on the left and right) that are fitted to the wall-hanging bracket sides.
- ❺ Lift up the LCD Display main unit, as is, and remove it.

Note • Do not lift the LCD Display by the stand mount cover.

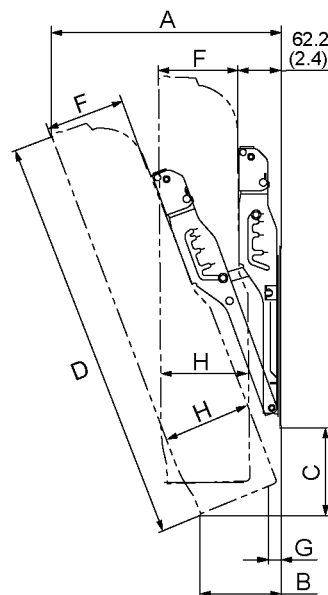


4 Dimensions

Wall-hanging bracket (Adjustable angle type)



External dimensions drawing

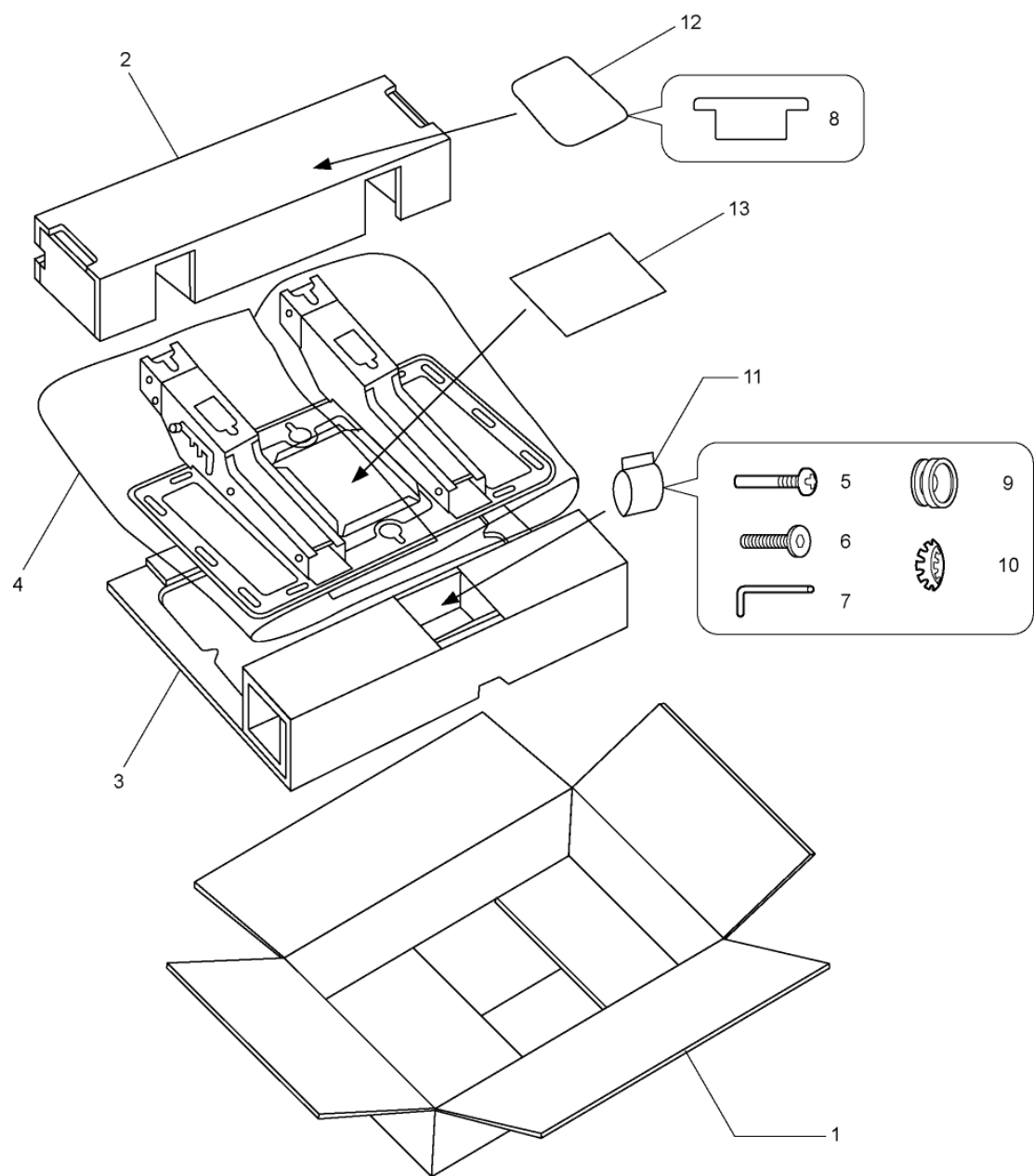


Applicable models	Dimensions	Attachment angle				
		0°	5°	10°	15°	20°
TH-32LR11UK TH-32LR11MK TH-32LR11UH TH-32LR11MSA TH-32LR11MKA	A	171 (6.7)	207 (8.1)	242 (9.5)	276 (10.9)	307 (12.1)
	B	162 (6.4)	151 (5.9)	138 (5.4)	124 (4.9)	109 (4.3)
	C	107 (4.2)	119 (4.7)	130 (5.1)	140 (5.5)	149 (5.9)
	D	564 (22.2)				
	E	791 (31.1)				
	F	108 (4.3)				
	G	62 (2.4)	51 (2.0)	39 (1.6)	28 (1.1)	16 (0.6)
	H	100 (3.9)				

5 Requests regarding handling

- 1) If the unit is placed in direct sunlight or next to a stove, the light and heat may cause discoloration or deformation.
- 2) For cleaning, wipe the display using a soft dry cloth (made of cotton or flannel). If the unit is particularly dirty, clean it using a cloth soaked with water to which a small amount of neutral detergent has been added, and then wipe with a dry cloth. Do not use products such as solvents, thinner or household wax for cleaning, as they can damage the surface coating. (If using a chemically-treated cloth, follow the instructions supplied with the cloth.)
- 3) Do not affix adhesive tape or stickers to the product. Doing so may dirty the surface of the wall-hanging bracket. Do not allow long-term contact with rubber, vinyl products or the like. (Doing so will cause deterioration.)

Model No. : TY-WK32GRW Packing Summary



Model No. : TY-WK32GRW Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	TPCC47901	CARTON BOX	1	
	2	TPDF1565	PAD (UPPER)	1	
	3	TPDF1566	PAD (BOTTOM)	1	
	4	TPEH241	PROTECT COVER	1	
	5	THEA129	SCREW (BODY FIX)	2	
	6	THEA132J	SCREW (M4X20)	4	
	7	TKKX0014-1	ALLEN KEY	1	
	8	TMKY522	BLIND SHEET	1	
	9	TMMX098	INSULATING SPACER	4	
	10	XWC4DFJK	WASHER	4	
	11	XZB10X10C08	POLY BAG (PARTS)	1	
	12	XZB12X27C03	POLY BAG (BLIND SHEET)	1	
	13	TQZJ010	INSTRUCTION SEET	1	